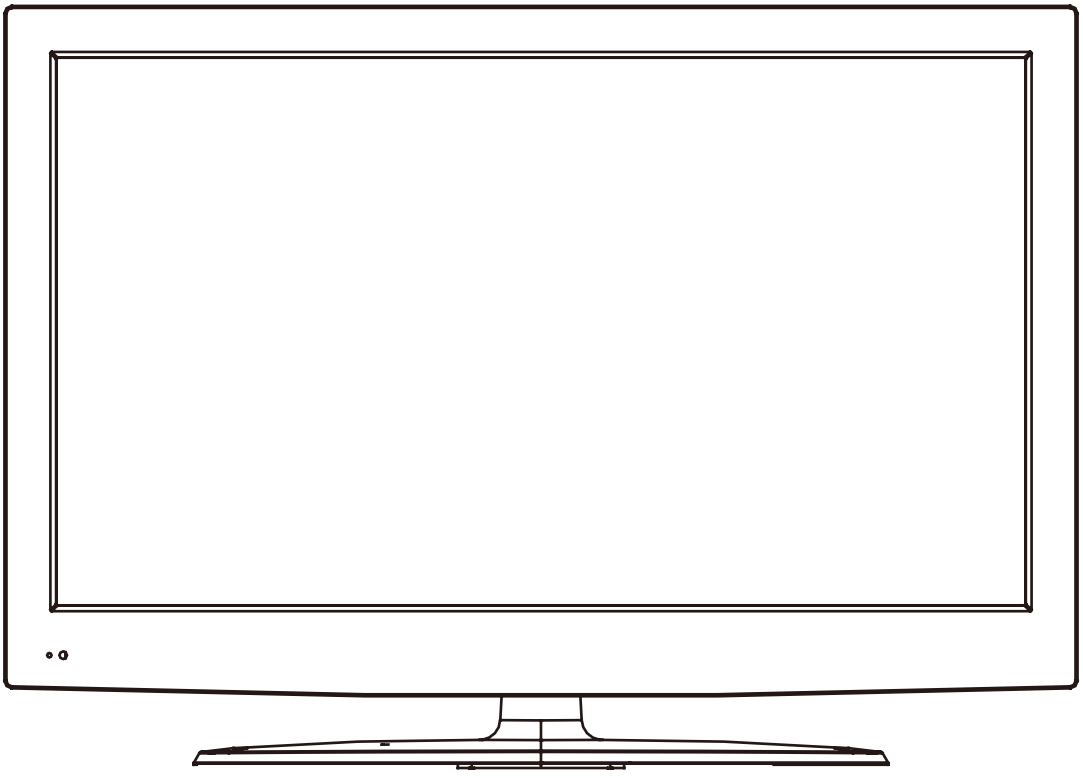
DENVER

32" hd ready led tv with atv and mpeg-2 dvb-t + c.i + usb input + PVR function

Model NO.: LED-3255DVBT



Instruction Manual

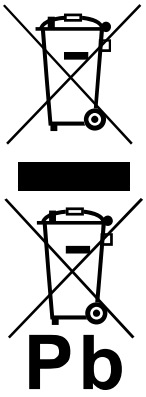
Contents

Caution	**1**
Safety Information	**2**
Accessories	**3**
Technical Specification	**3**
Product Introduction	**4**
Front View	4
Rear View	4
Connections	**5**
Remote Control	**6-7**
Basic Operation	**8**
OSD Menu	**9-16**
1. CHANNEL menu	9-10
2. PICTURE menu	11
3. SOUND menu	12
4. TIME menu	13
5. OPTION menu	14
6. LOCK menu	15-16
Hotel mode	16
Multimedia Operation	**17-19**
Recording Operation	**20-22**
Simple Troubleshooting	**23**

Caution

The lightening flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of un-insulated “dangerous voltage” within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the persons.

The exclamation point within an equilateral triangle is intend to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Correct disposal of this Product
(Waste Electrical & Electronic Equipment (WEEE)
Your product is designed and manufactured with high quality materials and components which can be recycled and reused.
This symbol means that electrical and electronic equipment, at their end-of-life should be disposed of separately from your household waste.
Please dispose of this equipment at your local community waste collection/ recycling centre.
In the USA there are separate collection systems for used electrical and electronic products. Please help us to conserve the environment we live in!

This unit complies with European safety and electrical interference directives.

Safety Information

To ensure reliable and safe operation of this equipment, please read carefully all the instructions in this user guide, especially the safety information below.

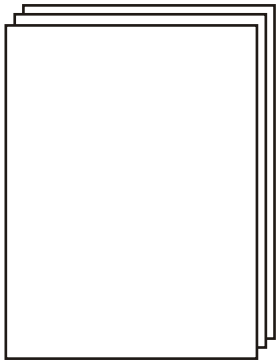
Electrical safety

- The TV set should only be connected to a mains supply which matches that stated on the label on the mains adaptor.
- To prevent overload, don't share the same mains supply socket with too many other items of equipment.
  - Do not place any connecting wires where they may be stepped on or tripped over.
  - Do not place heavy items on the leads, which may damage them.
  - Hold the Mains plug, not the wires, when removing from a socket.
  - During a thunderstorm or while leaving the TV for long periods, disconnect the aerial (if outdoor) and mains adaptor from the supply.
  - Do not allow water or moisture to enter the TV or mains adaptor. Do NOT use in wet or moist areas such as Bathrooms, steamy kitchens or near swimming pools.
- Pull the plug out immediately, and seek professional help if:
  - the mains plug or cable is damaged.
  - liquid is spilt onto the set, or if it is accidentally exposed to water or moisture.
  - anything accidentally penetrates the ventilation slots.
  - the set does not work normally.
  - Do NOT remove the safety covers. There are no user serviceable parts inside. You may invalidate the warranty. Qualified personnel only are permitted to service this apparatus.
  - To avoid battery leakage, remove exhausted batteries from the remote control handset, or when not using for along period.
  - Do NOT break open or throw exhausted batteries on a fire.

Physical safety

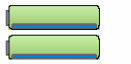
- Do NOT block ventilation slots in the back cover. You may place the TV in a cabinet, but ensure at least 5cm (2") clearance all around the unit.
- Do NOT tap or shake the TV screen, you may damage the internal circuitry. Take good care of the remote control, do not drop it or allow it to come into contact with liquids.
- To clean the TV use a soft dry cloth. Do NOT use solvents or petrol based fluids. For stubborn stains, you may use a damp soft cloth with diluted detergent.

Accessories



User's Manual

Remote control



Batteries

Converter cable for YPBPR video

AV cable

* Note: The configuration of the components may look different from the following illustration

Technical Specification

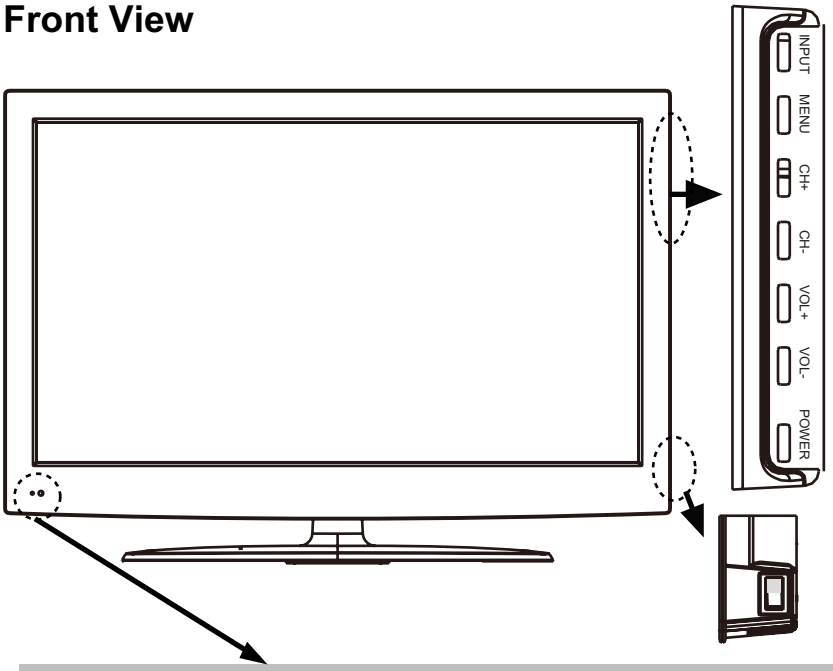
- TV System	PAL BG/DK/I SECAM BG/DK/L/L'
- Screen Size	32 inch (diagonal)
- Resolution	1366X768
- Aerial input	75 Ω (unbalanced)
- Audio output power	2x8W
- Power Consumption	100-240V~ 50/60Hz 75W

Remote Control

Type	infrared
Control distance	5m
Control angle	30 ^{0} (horizontal)
Batteries	2 x 1.5V, size AAA

Product Introduction

Front View



INPUT:
Display the input source menu.
MENU:
Display/exit the OSD menu.
CH+/-:
Scan through channels.
VOL+/-:
Adjust the volume.
POWER:
Turn on/standby the TV set.

SWITCH:
Turn on/off the power supply.

LED indicator ∘ ○ Remote Control window(keep clear)

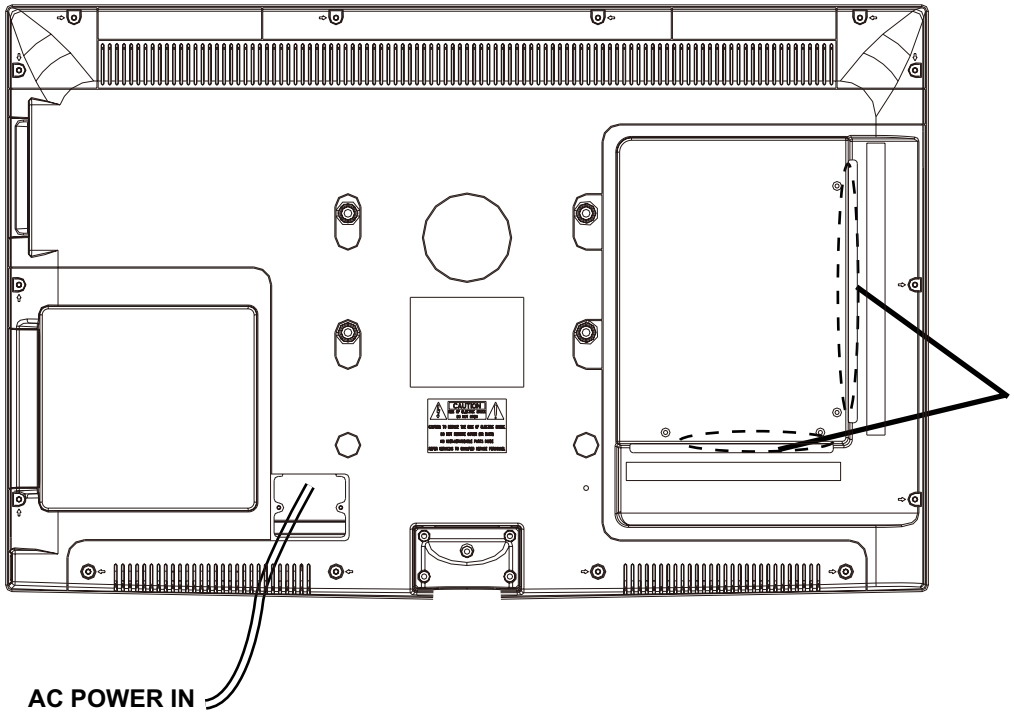
(IR) Infrared Receiver: Receives IR signals from the remote control.

(Power on/Standby) LED indicator: Press **POWER** to turn on and off.

Indicator on(Red)	Standby mode
Indicator on(Off)	Power on mode

The effective receiving range for the signal is 5-8 metres from the front of the remote control window, and 30^{o} to the left or right side and 20^{o} above or below the control window.

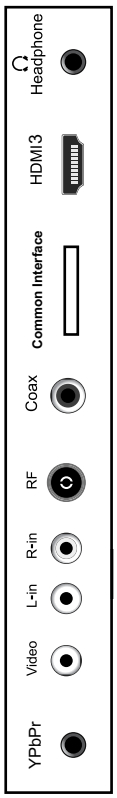
Rear View



Connections
See next page

AC POWER IN

Connections



Headphone: Connect Headphone

CI:CI slot (pay as you view card slot)

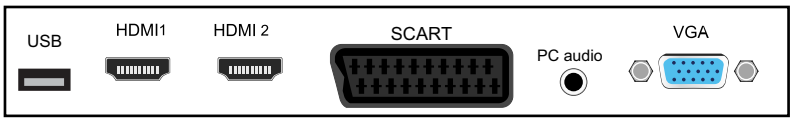
COAX: Output to audio amplifier

RF: Connect to antenna or cable source

(AUDIO)L/R IN: Audio signal input for AV(Shared with YPbPr)

Video: Connect to the video output of external devices

YPbPr: Connect to the YPbPr output on external devices with the converter cable.



USB: Connect to USB device for multimedia

HDMI1/2/3: Connect to the HDMI socket of your DVD or Satellite Box

SCART: Connect to the scart input / output of external devices

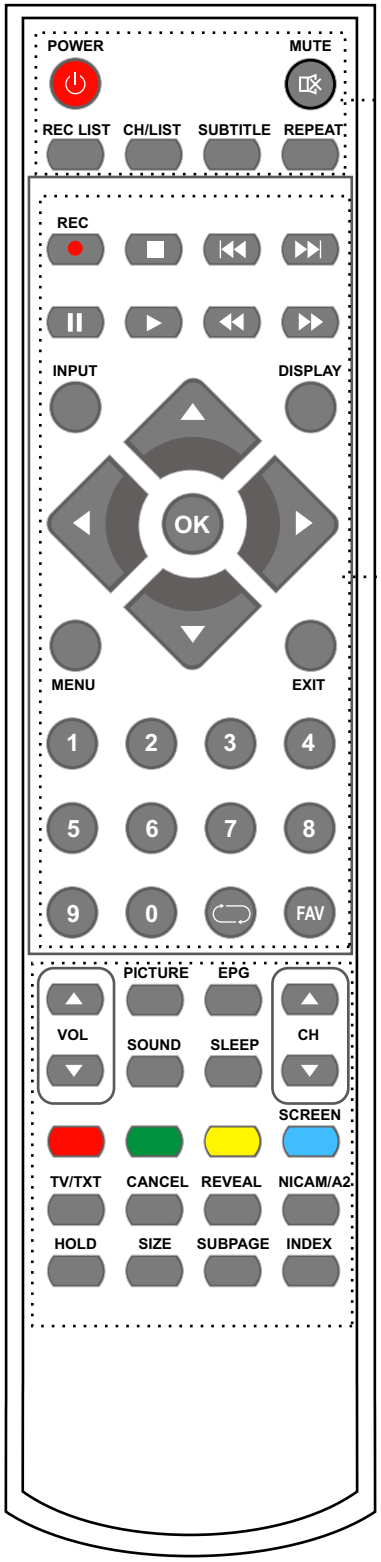
PC audio: PC audio input

VGA: Connect to the PC VGA output to display PC graphics

AC POWER IN: Connect to power supply

Remote Control

The remote control is using Infra-Red(IR). Point it towards the front of the LED TV. The remote control may not work correctly if it is operated out of range or out of angle.



POWER: Turn the TV on/standby.
MUTE: Press to mute the sound, press again or press VOL+ to unmute.
REC LIST: Record List.
CH/LIST: Display the programs list.
SUBTITLE: Turn on/off the subtitle display in DTV mode.
REPEAT: Repeat playing the title or chapter.

PVR function
REC ● : Press to start record the program in DTV mode.
■ : Stop program.
⏮ : Previous chapter.
⏭ : Next chapter.
⏸ : Pause program.
▶ : Play program.
◀◀ : Fast reverse.
▶▶ : Fast forward.

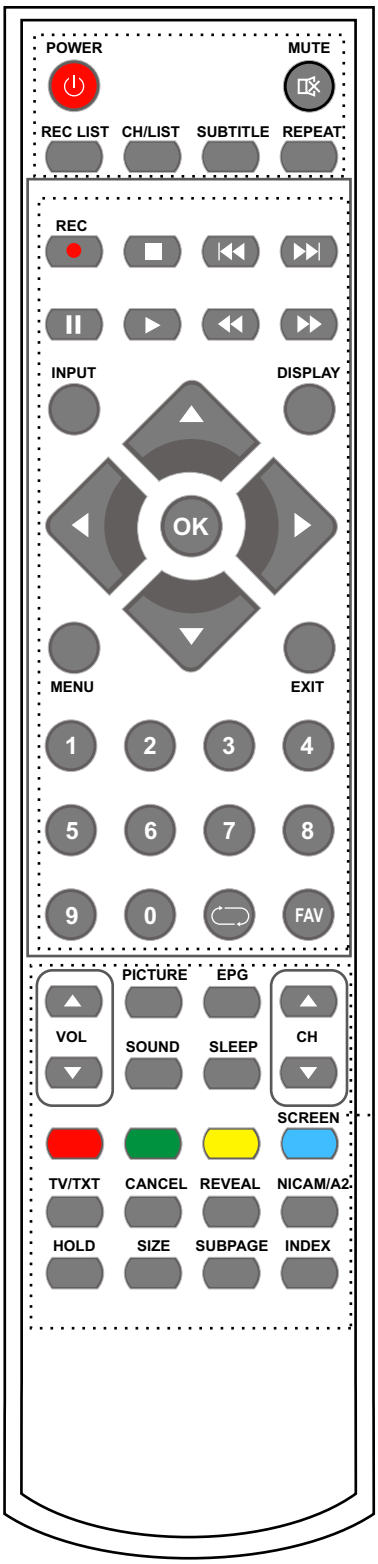
INPUT : Press to display the input source menu.
DISPLAY: Press to display the current mode's information.
MENU: System setup menu.
EXIT: Exit the OSD menu.
FAV: Display the favorite program list.

NUMBER BUTTONS
Press0-9 to select a TV channel directly when you are watching TV.

Return to the previous channel viewed.

CURSOR KEYS (▲/▼/◀/▶/ OK)
Allows you to navigate the on-screen menus and adjust the system settings to your preference.

Remote Control



CH▲/▼: Scan through channels.
VOL▲/▼: Adjust the volume.
PICTURE: Select the picture mode.
EPG: To show the Electronic Program Guide during no-menu state only in DTV mode.
SOUND: Select the sound mode.
SLEEP: Standby timer.
SCREEN: Turn on/off the screen.
TV/TXT: Turn off/on the Teletext display.
CANCEL: Cancel the Teletext display.
REVEAL: Reveal any hidden text.
NICAM/A2: TV Nicam/A2 select.
HOLD: Hold or carry on the current subpage.
SIZE: Press to see top half of page double size,
Press again to see the bottom
half of page double size. Press again for normal size.
SUBPAGE: Press to enter subpages, pressagain to cancel.
INDEX: Go to index.
Colour buttons:Short cuts-follow the coloured links in the text.

Basic Operation

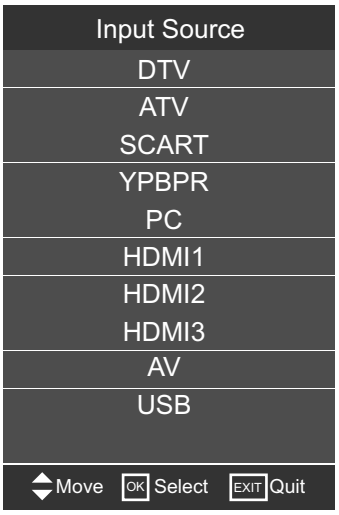
Power on/off

1. Connect to the power supply with the power cord.
2. -To turn on the TV
   Press **POWER** button on the TV or remote control.
   -To turn off the TV
   Press **POWER** button on the TV or remote control.

Input Source select

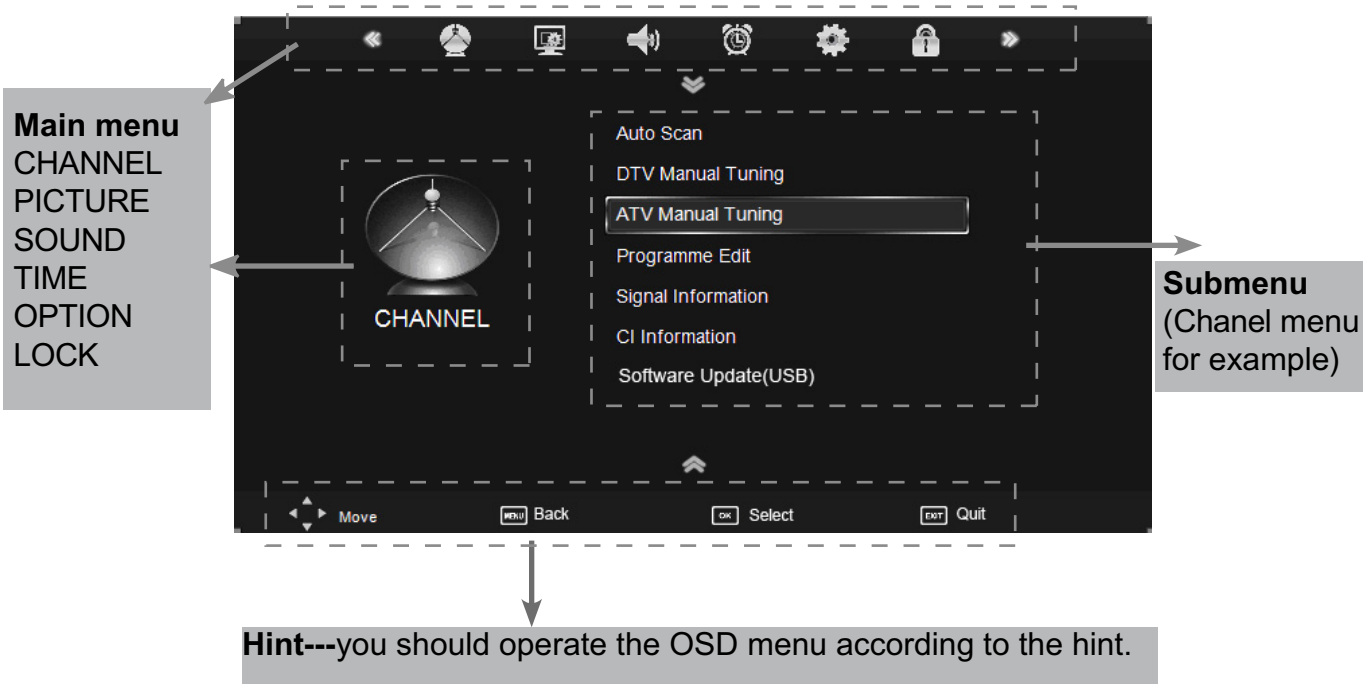
Press **INPUT** button on the TV set or remote control to display input source menu, and use **CH+/-** button on the TV set or ∧/∨ button on remote control to select the input source, press **OK** button on the remote control to enter.

Note: Before you select the input source, make sure the connections are prepared.



Basic OSD Menu operation

Press **MENU** button to display the OSD menu as below:

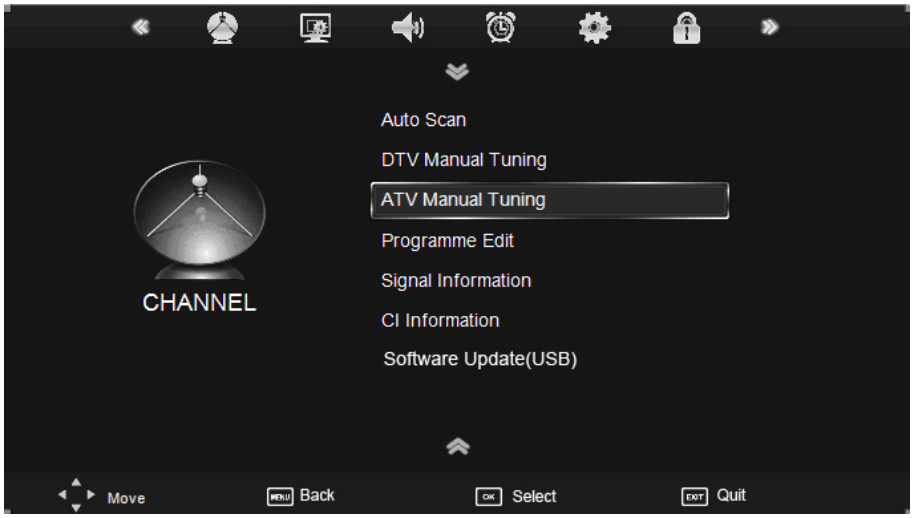


Use < / > button to select the main menu, and press ∨ button to enter the submenu.
In the submenu, use ∧ / ∨ button to select the function item, press < / > button to adjust/setup, or press **OK** button to enter the submenu.
* (Press **MENU** button to return to the upper menu.)
* (Press **EXIT** button to exit the menu display.)

Note1: Only when you input the suitable signal, the relevant items can be activated
Note2: Please operating the OSD menu according to hint on the bottom of the banner.

OSD Menu

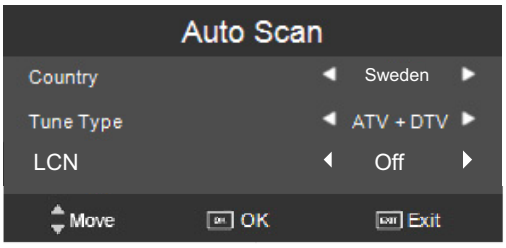
1. CHANNEL menu



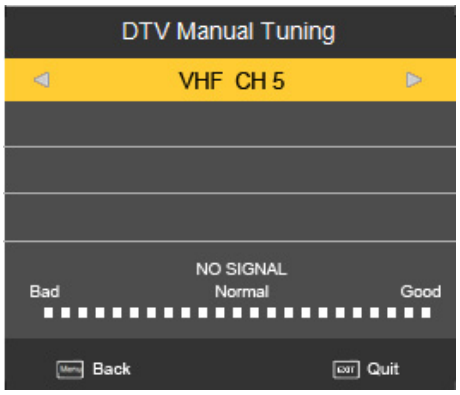
Description

Auto Scan
Press **OK** button to enter the hint menu, and select the Country and Tune Type mode for the TV, then press **OK** button to start auto tuning.

LCN: Press > to select on/off.



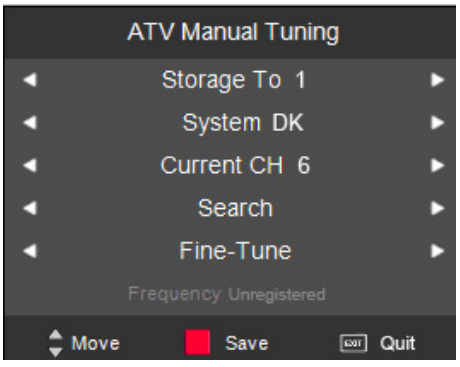
DTV Manual Tuning
Press **OK** button to enter the DTV Manual Tuning menu, select a DTV channel, and press **OK** button to start searching.



ATV Manual Tuning
Press **OK** button to enter the ATV Manual Tuning menu.

Storage To: Select a position for storing the program.
System: Select a TV system for searching.
Current CH: Select the channel you want to manual tuning.
Search: Press < / > button to manual search.
Fine-Tune: Press < / > button to fine-tune.
Frequency: Display the current frequency.

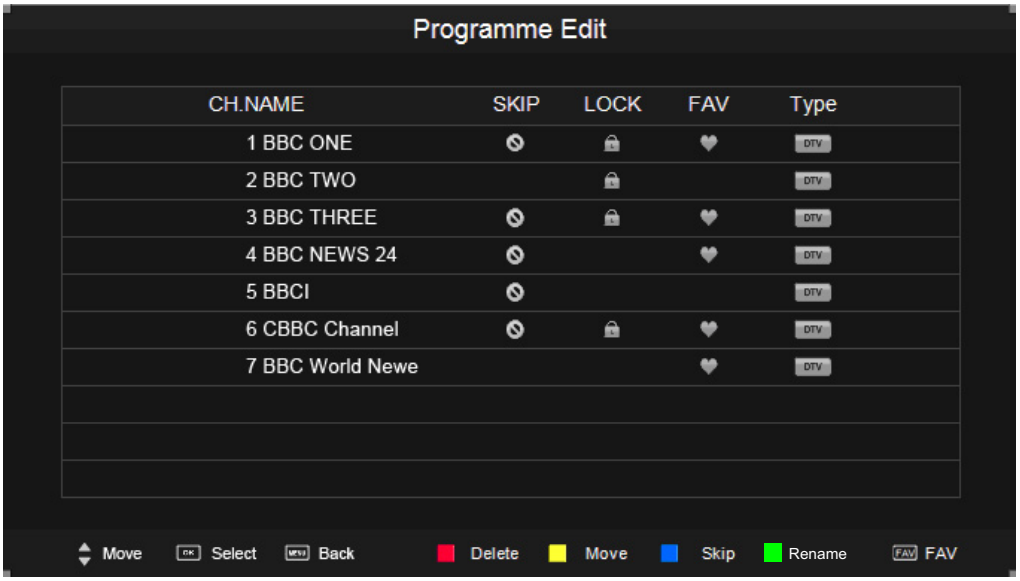
*Note: Press **RED** button to save all the setups you have changed.*



OSD Menu

Programme Edit

Press **OK** button to enter the Program Edit menu as the following picture.



Delete: Select a channel and press **RED** button, “Delete” will appear on the right of the program edit menu next to the channel you have chosen, then press **RED** button again, the program will be deleted. However if you decide not to continue to delete press the menu button to quit.

Move: Select an channel, and press **YELLOW** button, then you can use ∧ and ∨ buttons to change the position of the program, press **YELLOW** again to confirm the change. Press menu to exit and it will automatically save the current set.

Skip: Select a channel and press the **BLUE** button to label the channel, as long as the channel has a skip label it will be skipped when searching through the channels with the CH+/- buttons.

Rename: Select an **ATV** channel and press the **GREEN** button to change the name of the channel by ∧ ∨ < > buttons

FAV: Select a program, press **FAV** button to set or delete the program as the favorite channel.

Signal Information

Display the signal information in DTV mode.

CI Information

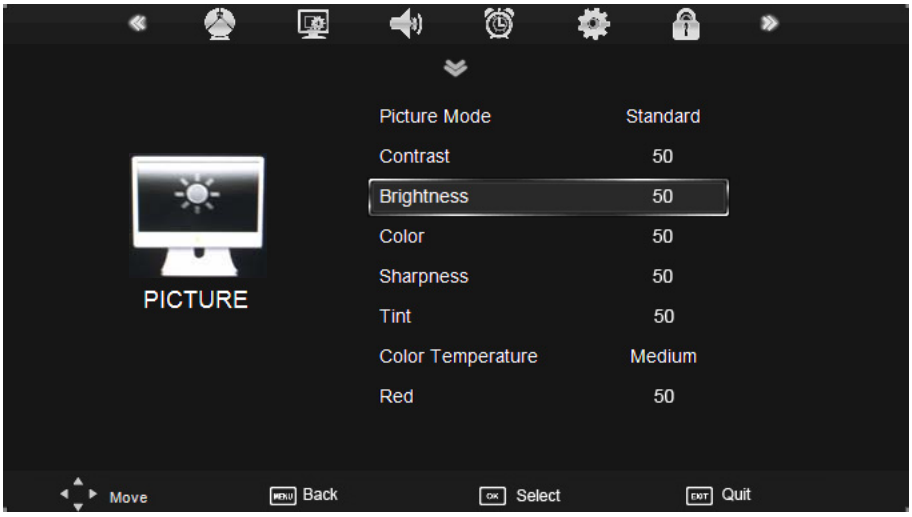
Please contact your “pay perview” provider who can supply a viewing card and cam unit with instructions for their use.

Software Update(USB)

Press **OK** button to enter the menu, and update the software by the USB device.

OSD Menu

2. PICTURE menu



Description

Picture Mode: Choose from Standard, Dynamic, User and Mild.
Note: Contrast, Brightness, Color and sharpness are only available and can be adjusted in the User mode option in the Picture Mode Settings.
Contrast: Controls the difference between the brightest and darkest regions of the picture.
Brightness: Controls the overall brightness of the picture.
Color: Control the color.
Sharpness: Increase this setting to see crisp edges in the picture; decrease it for soft edges.

Tint: Controls the tint (NTSC mode only).

Color Temperature: Choose from Medium, Cool, User and Warm.

Red: Controls the red colour of the picture.
Green: Controls the green colour of the picture.
Blue: Con trols the blue colour of the picture.

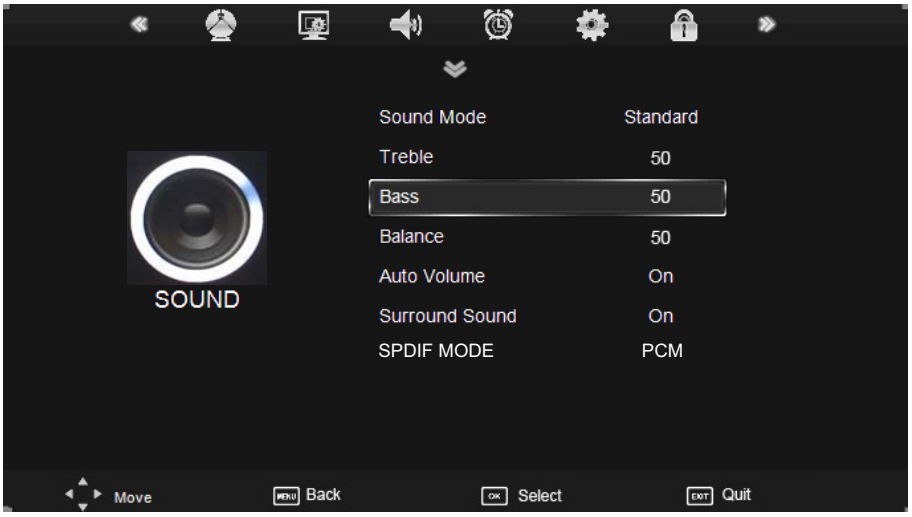
Aspect Ratio: Choose from 4:3, 16:9, Zoom1, Zoom2, Just Scan and Panorama.
Note: The aspect ratio modes you can select according to the input source.

Noise Reduction: Choose interference noise modes form Off, Low, Middle, High and Default.

Screen(PC mode only): Press **OK** button to enter the submenu to adjust Horizontal / Vertical position, Size or Phase of the picture.

OSD Menu

3. SOUND menu



Description

Sound Mode: Allows you to select among: Standard, Music, Movie, Sports and User.

Treble(Could be adjusted when the sound mode is User)**:** Controls the relative intensity of higher pitched sounds.

Bass (Can be adjusted when the sound mode is set to User): Controls the relative intensity of lower pitched sounds.

Balance: To adjust the balance of the left and right sound track, or turn off the volume of the left and right sound track.

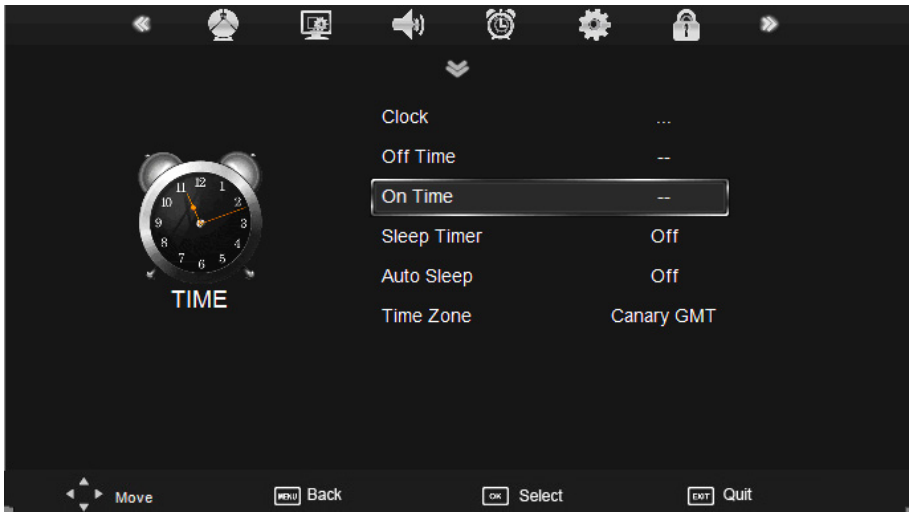
Auto Volume: Control the volume of the program automatically when you turn on the function by selecting “On”.

Surround Sound: Turn on/off the surround sound function by selecting “off”/“surround”.

SPDIF MODE: Allows you to select among: Off, PCM and Auto.

OSD Menu

4. TIME menu



Description

Clock: Use the ＜ and ＞buttons to select the position, and use the ∨ and ∧ buttons to set the time.

Note: User can not change time manually during DTV mode, for time is from signal source directly.

Off Time: Press **OK** button to enter the submenu, you could set the time when the TV set will be turned off automatically, you could also set the frequency.

On Time: Press **OK** button to enter the submenu, you could set the time when the TV set will be turned on automatically, you could also set the frequency, volume and program.

Sleep Timer: Allows you to setup the sleep timer among: 10min, 20min, 30min, 60min, 90min, 120min,180min, 240min and off.

Auto Sleep: Turn on/off the auto standby function.

Time Zone: Allows you to select the time zone.

OSD Menu

5. OPTION menu

Description

OSD Language: Allows you to select menu language.

Audio Language 1st/2nd (can be selected in DTV mode): Allows you to select first and second audio language.
Subtitle Language 1st/2nd (can be selected in DTV mode)**:** Allows you to select first and second subtitle language.

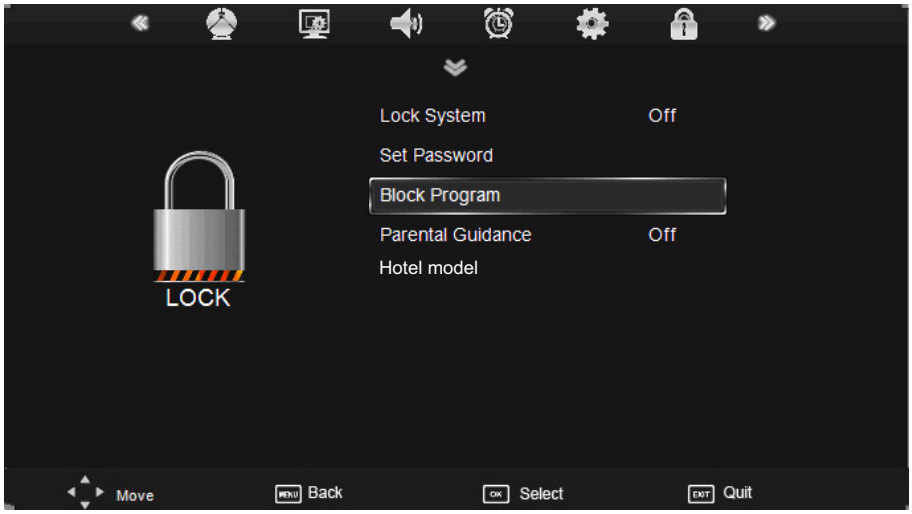
OSD Duration ：Allows you to setup the time of the menu display on the screen among: 5s, 10s, 15s, 20s, 25s, 30s, 35s, 40s.

Country: Display the current Country, and you should select the Country when you want to auto tuning.

Restore Factory Default: Press **OK** button to restore factory default.

OSD Menu

6. LOCK menu



Description

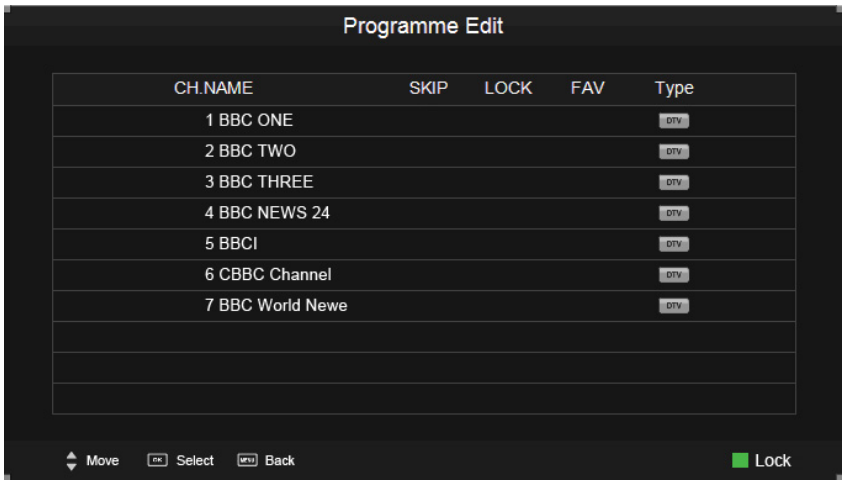
Lock System: Turn on/off the Lock System function.
Note: You should enter the code to operate the menu.(original code is 0000)

Set Password: Set pin code. If the Pin code has been changed you must enter the present code.

New : Enter the new password.

Confirm: Enter the new password.

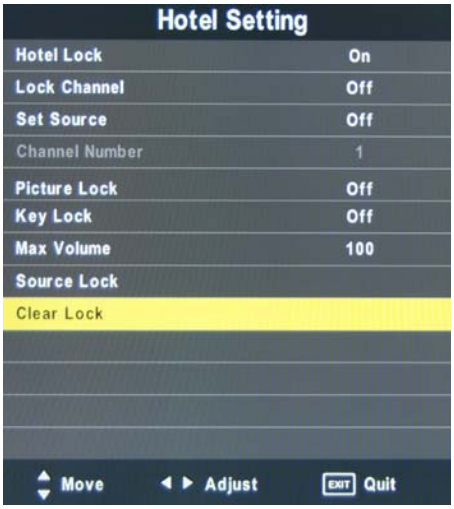
Block Program: Lock the channel, you have to enter the code to view the channel. Use ∧ and ∨ buttons to select the channel, and press the **GREEN** button on the remote control to lock the channel or canel.



Parental Guidance: Allows you to select the Parental Guidance mode.

OSD Menu

Hotel Mode



Hotel Lock : Press ▲ and ▼ to select **Hotel Lock** and press ▶ to select the ON or OFF.

Lock Channel : If current **SOURCE LOCK** is TV, press ▲ and ▼ select CHANNEL LOCK and then use ▶ to select the ON or OFF. When choosing on, in channel menu, user can not operate the singal channel reveiving, channel editing and so on.

Set Source: Press ▲ and ▼ to select **Set Source** and press ▶button to select the source for the initial input source.

Channel Number: If Set Source is **TV / DTV Radio** or **DTV Video**, press ▲ and ▼ button select Channel Number and then use ▶ to select the program number.

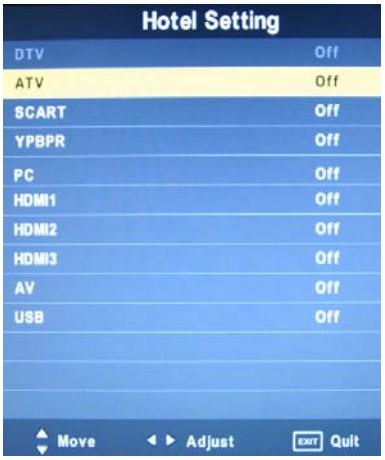
Picture Lock: Press ▲ and ▼ to select **Picture Lock,** if **Picture Lock** is **On,** the picture menu will not be shown.

Key Lock: Press ▲ and ▼ select **Key lock** and then use ▶ to lock the buttons on the TV set.

Max Volume: Press ▲ and ▼ select **Max Volume** and then use ▶ to select the max volume of the sound.

Source Lock : Press ▲ and ▼ to select **Source Lock** and press ▶ to select the source for prohibiting any external input.

Note: The current using channels can not be locked.

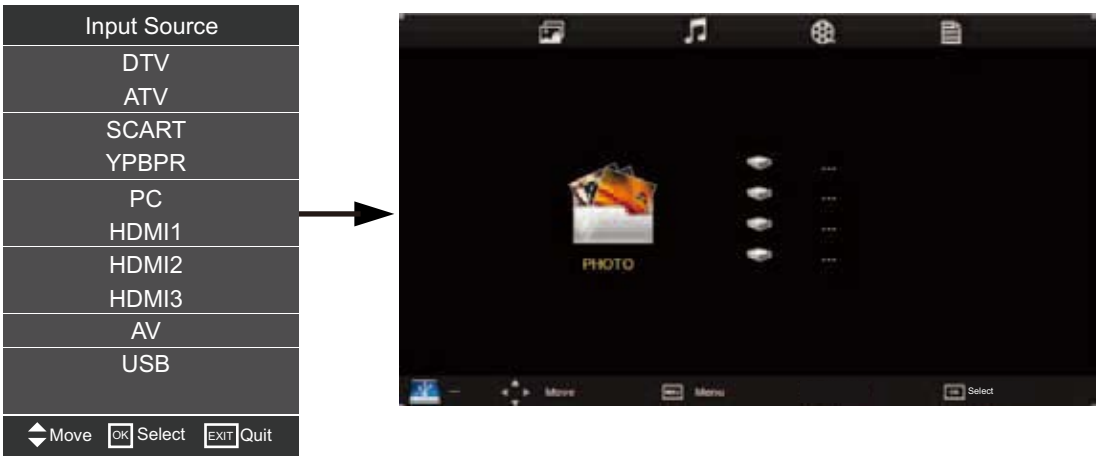


Clear Lock : Press ▲ and ▼ to select **Clear Lock** and press ▶ to cancel all the settings of lock, it means set all the locks to OFF; preset channel to OFF, max volume to 100.

Multimedia Operation

Basic Operation

1). Press the INPUT button on the remote control to display the input source menu, select USB source by the ◀ / ▶ buttons, and press OK button to enter the Multimedia menu seen below.



2). Insert USB device, you will find the name of the device display on the screen.

MAINS MENU
PHOTO MUSIC MOVIE TEXT

USB device list

MAINS MENU
PHOTO MUSIC MOVIE TEXT

Hints for operation

Hints and informations of USB device

3). Press ＜/＞ button to select the kind of the files in the device you want to program from PHOTO, MUSIC, MOVIE and TEXT. Press ∧/∨ button to select the device and press OK button to enter.

Return to device list

Up Folder

Preview

Informations

Press ＜/＞/ ∧/∨ buttons to move , and press OK button to select the file or unfold the folder, Then press ▶ button to program the files (be signed) you select or the files in the fold you select, You can display the option table on the bottom of the screen by **OK** button, press ■ button to hide. Press ■ button to stop and exit the full screen program.

Multimedia Operation

1. Photo

Play the photo

Press ＜/＞ button to select the option on the table, and press **OK** button to change.

Repeat: Select the repeat mode from Repeat All, Repeat 1, Repeat None.
Music: Play/pause the music program (you can only play or pause the music you have programed).
Playlist: Display the playlist on the screen, and you can select the photo by ∧ / ∨ button, and press **OK** button to program. Press ＜/＞ button to return to the options table.
Info: Display the information of the photo.
Rotate: Rotate the photo clockwise/counterclockwise.
Zoom Out/In: Zoom out/in the photo.
Move View: Move the photo in Zoom in mode.

2. Music

Play the music

Press ＜/＞ button to select the option on the table, and press **OK** button to change.
Press ∧ / ∨ button to select the music, and press **OK** button to program.

Repeat: Select the repeat mode from Repeat All, Repeat 1, Repeat None.
Goto Time: Program the music form the time you set.
Press **OK** button to display the time table, and select the position by ＜/＞/∧ / ∨ button, set the time by the number buttons, select “OK” and press OK button to search.
Screen Saver: Press **BLUE** button to enter the Screen Saver mode, press again to exit.

Multimedia Operation

3. Movie

Play the movie

Press ＜/＞ button to select the option on the table, and press **OK** button to change.

Repeat: Select the repeat mode from Repeat All, Repeat 1, Repeat None.
Set A-B: Select and play the preferable paragraph of the program by seting A and B at the beginning and end, and there will be a sign on the left screen, press **OK** button again to cancel.
Playlist: Display the playlist on the screen.
Info: Display the information of the movie.
Slow: Play the programs at slow speed, press ▶/play button to cancel.
Step: Step the programs by **OK** button, press ▶/play button to cancel.
Goto Time : Program the movie form the time you set.
Zoom out/in: Zoom out/in the movie screen.
Aspect Ratio: Select the aspect ratio of the screen display.
Move View: Move the photo in Zoom in mode.

4. Text

Play the text

Press ＜/＞ button to select the option on the table, and press **OK** button to change.

Prev/Next page: Turn to previous/next page of the text.
Prev./Next: Turn to previous/next file.
Stop: Stop auto turning pages.
Music: Play/pause the music program.
Playlist: Display the playlist on the screen.
Info: Display the information of the text.

Recording Operation

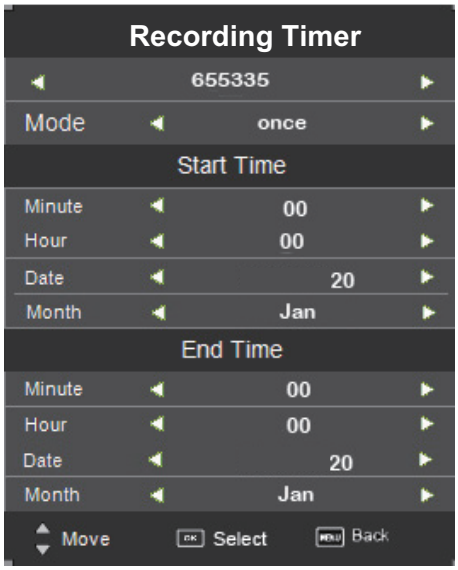
PVR settings

Press the MENU button, and select CHANNEL menu.

1). Recorded List

Display the recorded list
Recorded list: Display the Recorder List menu,
and changed the mode of program.
INFO: Display the information of the program you recorded.
RED button: Delete the program you select.

2). Recording Timer

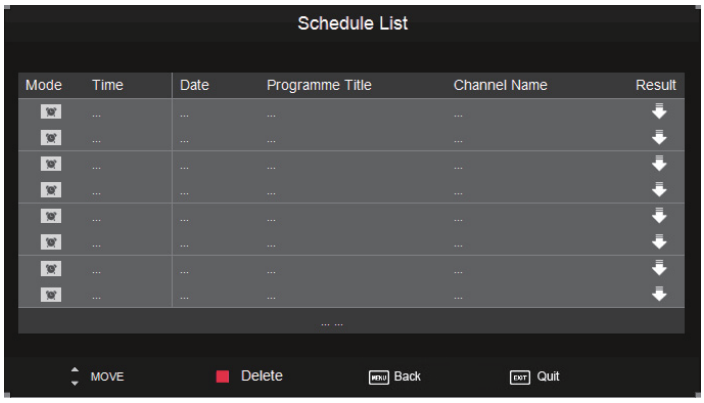


Set the Recording Timer
The TV will record the program automatically according to your settings.

TITLE: Display the name of the recording program.
MODE: Select the record mode.
Start Time: Set the start recording time.
End Time: Set the end recording time.
Press **OK** button to save the setting and exit the menu.

Recording Operation

3). Schedule List



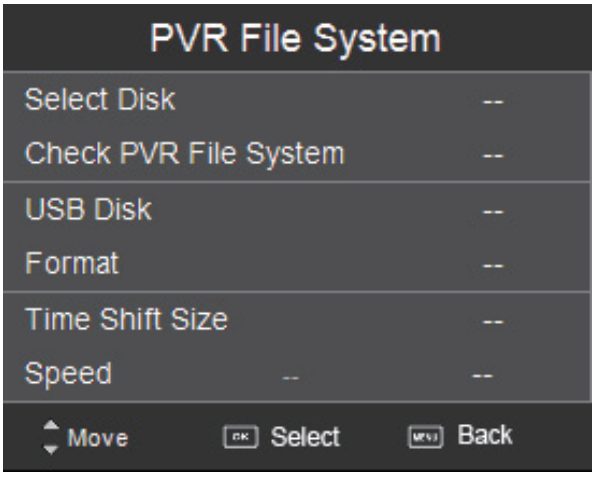
Display the recorder shedule

Note: a. Could't add shedules which have existent on the list;

b. Could't add shedules when the list is full, you have to delete some schedules;

c. You could delete a schedules by RED button on the remote control.

4). PVR File System



Setup the PVR File system before you start recording.

Select Disk: Select the device for the Record files.

Check PVR File System

USB Disk: Display the USB state.

Format: Format the USB device for PVR operating.

Time Shift Size: Display the size of the USB device (The device has been formated).

Speed: Display the speed of the USB device (The device has been formated).

Recording Operation

5) Record Start

When you finish the settings above, you could start recording by select **Record Start** in the menu and press OK button in DTV mode. (You can also start recording by press the ● button on the remote control)

Record buttons

● **Recording:** Press to enter the recording mode.

II **PAUSE:** Press to enter the timeshift mode.

Recording list: Press to display the recording list.

■ **Stop:** Press to stop recording.

Recording menu

When you press ● REC button, the screen will display the recording menu as below:

Full mode

Simple mode

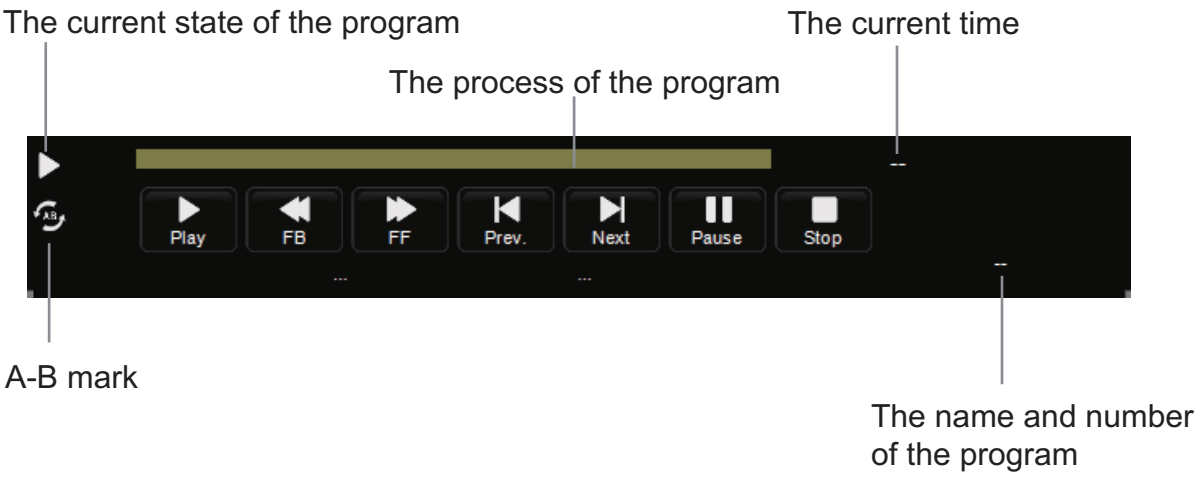
Note: a. You could change the mode of Recording menu by Exit button.
b. Press STOP button to exit the recording mode.
c. Press PLAY button to play the program you are recording from the beginning.
d. Press Recording list button to display the Recorder list, and you could play the program you selected. The recording will be going on, and the Recording menu will display when you exit the Recorder list.

Timeshift

Press PAUSE button to enter the Timeshift mode, and the picture will be paused, the recording will begin.

Note: a. You could change the mode of Timeshift menu by Exit button.
b. Press STOP button to exit the Timeshift mode.
c. Press PLAY button to play the program you are recording from the beginning.

Playback



Trouble shooting

- Do not use other functions that are not mentioned in this user's manual.
- In case a problem occurs with your TV, please take the following steps first.
- If you still have the problem, turn the power off and contact your dealer or an authorized service center.

Problem	Action
The screen does not appear.	Is the power plug pulled out? Insert the power plug. Press the power button of the remote control.
The screen appears too slowly after the power is turned on.	This problem occurs for a brief time in the process of image elimination processing in order to hide temporary screen noise that occurs when the power is turned on. But if the screen does not come after 1 minute contact your dealer or an authorized service center.
Screen is too bright or too dark.	Perform brightness adjustment or Contrast adjustment.
Screen is too large or too small.	Adjust the screen size.
Stripes appear on the screen and it shakes.	Stop using wireless telephones, hair driers and electric drills.
The screen does not move.	Press the PAUSE button. Check if the Pause button is pressed on external equipment.
Screen appears, Voice is not heard	1. Press the "MUTE"button. 2. Increase the sound level by pressing volume adjustment button. 3. Check if sound terminal of external input is connected properly. 4. Check if audio cables are connected properly. 5. Select and check the other input. If the sound still does not work and the other channels are the same after you have done as the above, contact your dealer or an authorized service center.
Remote control does not work	1. Check if main power is On. 2. Check that the batteries of the remote controller were loaded properly. 3. Check to see if any obstacle exists between the TV and the remote control , then remove it, if any. 4. If the batteries have no power, replace them with two new batteries.

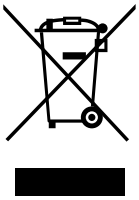
- This TV is for household use and registered as harmless on electromagnetic waves.
- Therefore, you can use it in every location as well as residential areas.

Electric and electronic equipment and included batteries contains materials, components and substances that can be hazardous to your health and the environment, if the waste material (discarded electric and electronic equipment and batteries) is not handled correctly.

Electric and electronic equipment and batteries is marked with the crossed out trash can symbol, seen below. This symbol signifies that electric and electronic equipment and batteries should not be disposed of with other household waste, but should be disposed of separately.

As the end user it is important that you submit your used batteries to the approriate and designated facility. In this manner you make sure that the batteries are recycled in accordance with legislature and will not harm the environment.

All cities have established collection points, where electric and electronic equipment and batteries can either be submitted free of charge at recycling stations and other collection sites, or be collected from the households. Additional information is available at the technical department of your city.



ALL RIGHTS RESERVED

COPY RIGHT DENVER ELECTRONICS A/S

CE

www.denver-electronics.com